

The Portland Experience:

Preparing for the Really Big One



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NIST Community Resilience Panel
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The Really Big One

Presentation Overview

Introduction to the City

Risks & Hazards

EM Strategies & Programs



The Really Big One

The City

619,360 City **2,348,247** Metro
+6.1% 2010-2014 (US = 3.3%)



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The City

53% homeowners (US = 64%)



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The City

44% college graduates (US = 29%)



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The City

24% people of color (US = 28%)



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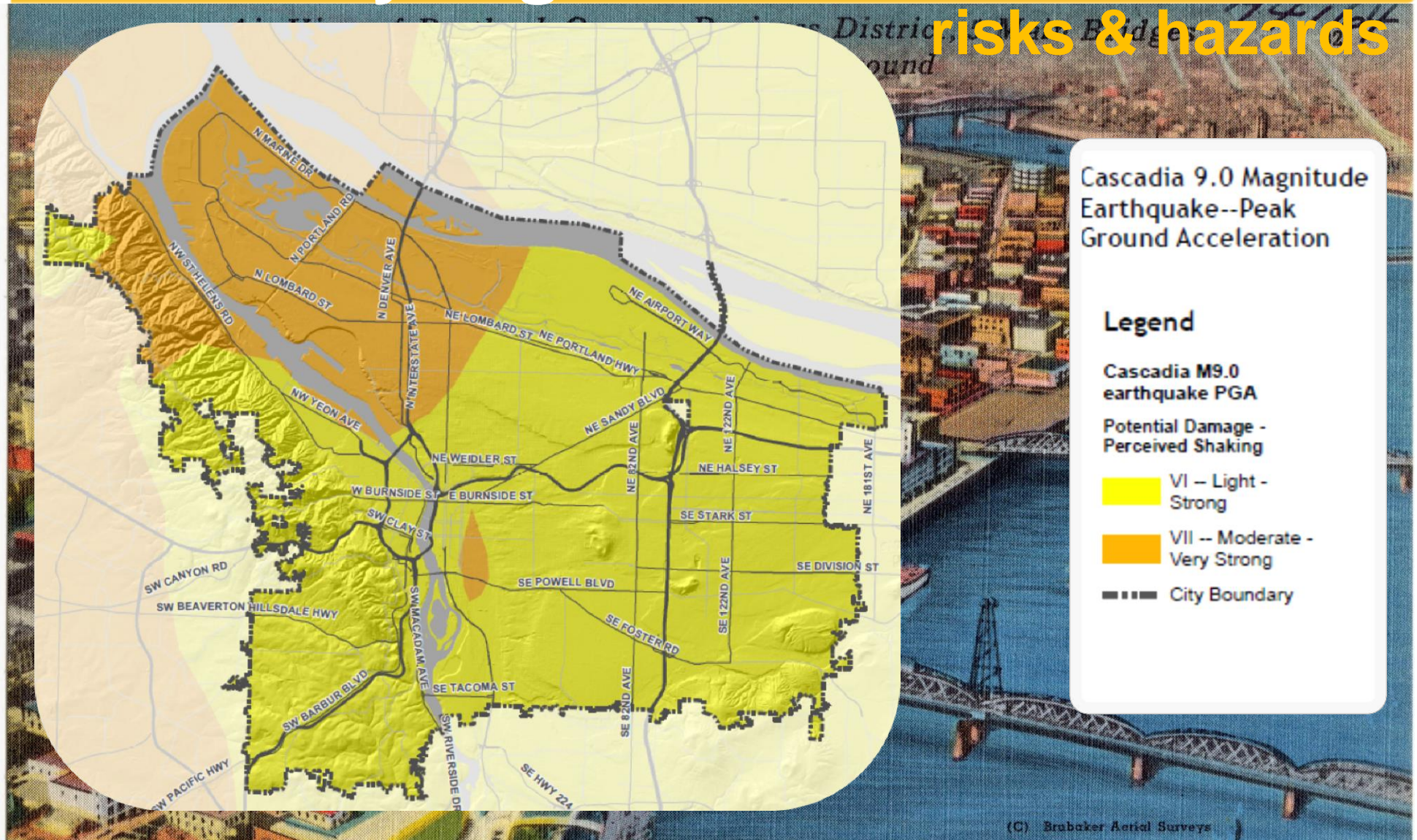
The City

\$285_k avg house (US = \$176k)



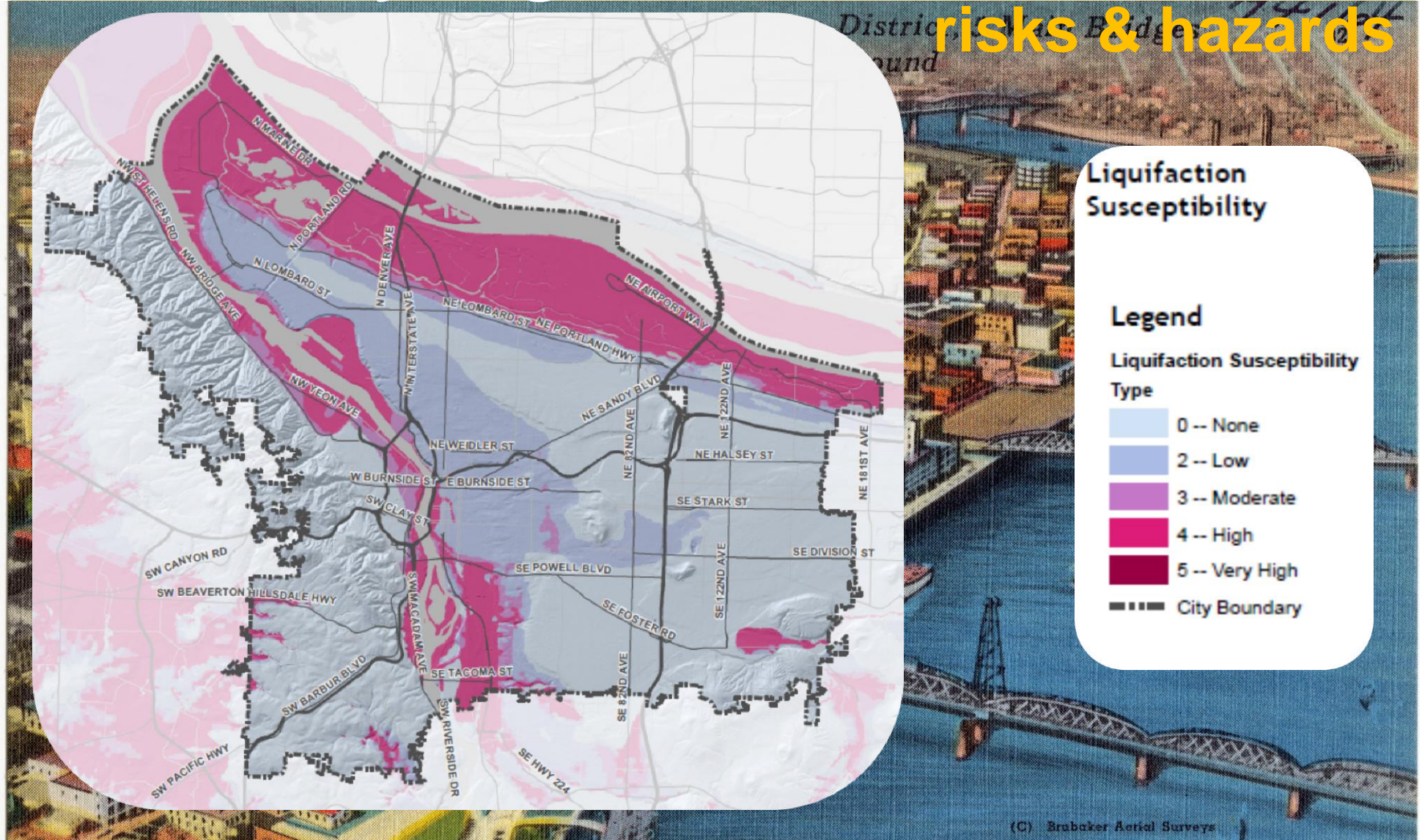
The Really Big One

risks & hazards



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risks & hazards



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risks & hazards

Earthquake Fault Lines

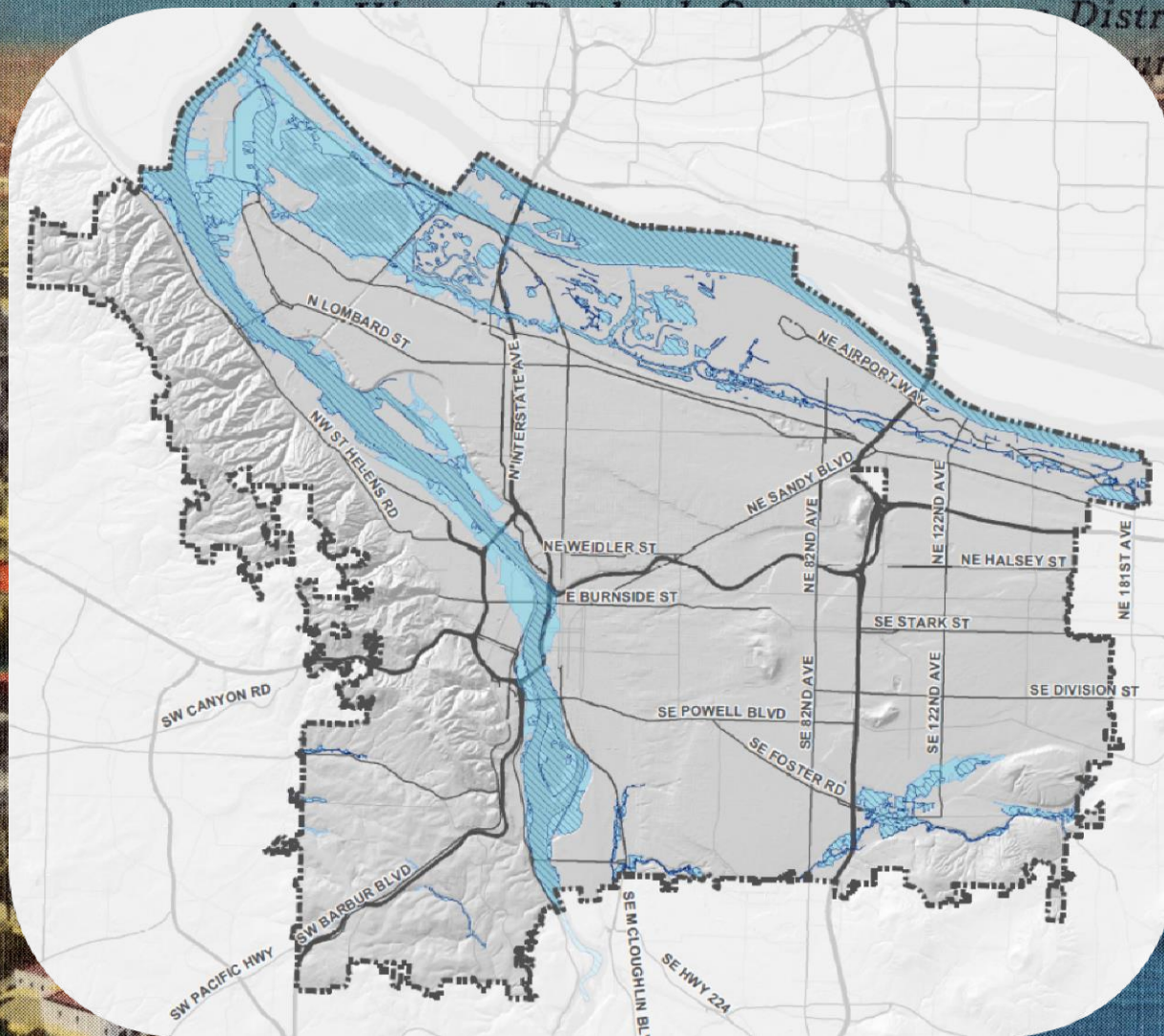
Legend

Earthquake Fault Lines

- ▲— Unnamed Fault
- ▲— Beaverton Fault
- ▲— East Bank Fault
- ▲— Lake Oswego Fault
- ▲— Marylhurst Fault
- ▲— Oatfield Fault
- ▲— Portland Hills Fault
- ▲— River Forest Fault
- ▲— Sylvania Fault
- City Boundary

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risks & hazards



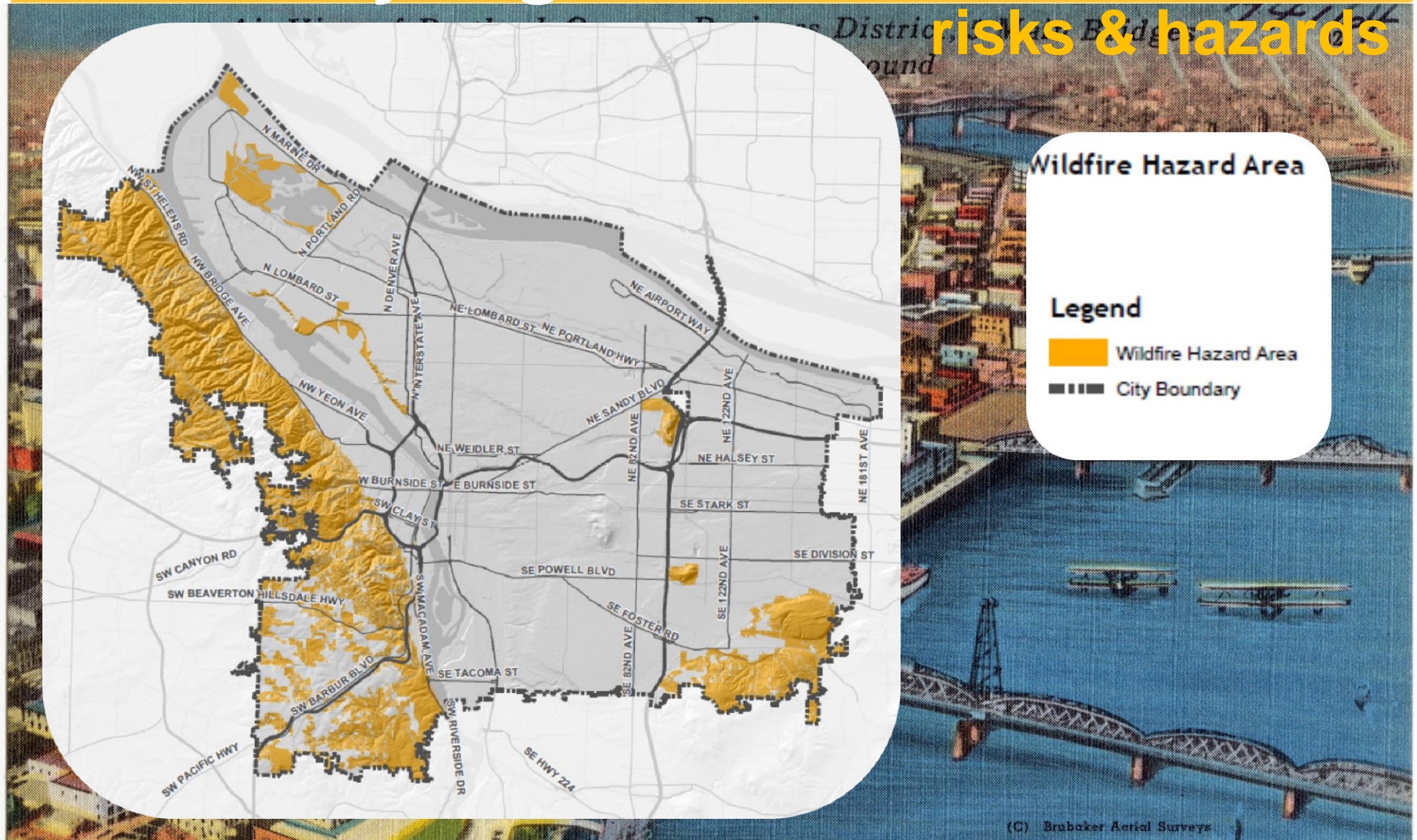
Flood hazard -
100-yr and 500-yr
FEMA flood zone

Legend

-  100-year FEMA flood zone
-  500-year FEMA flood zone
-  City Boundary

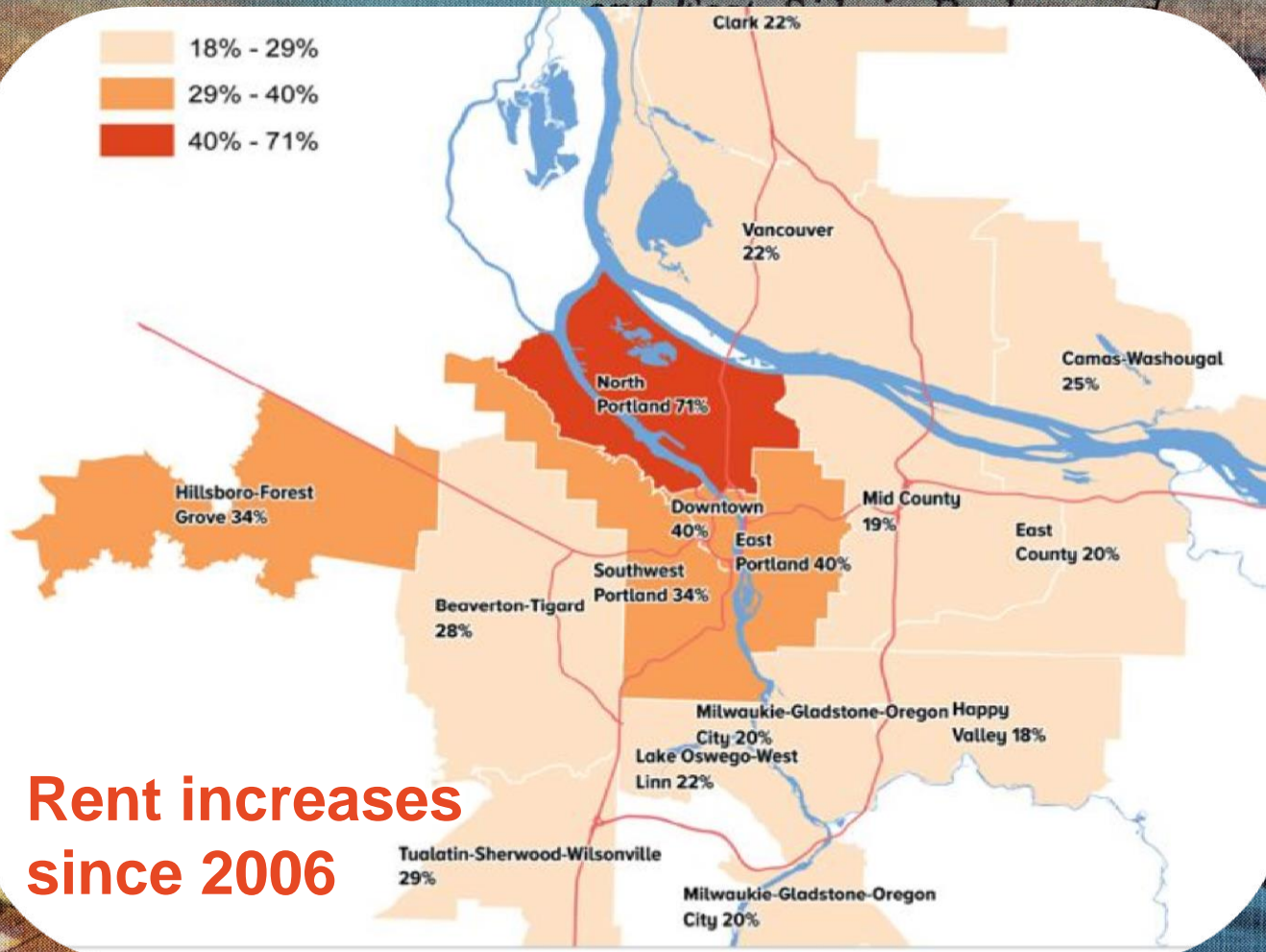
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risks & hazards



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risks & hazards



**Rent increases
since 2006**

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risks & hazards

Climate change increases some hazards.

Climate refugees increase housing issues.



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theme



Safe built environment

**MAKE SURE
THEY'RE SAFE**

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program

Seismic retrofit of homes

An illustration of two children sitting in a car seat. The child on the left is a girl with red hair in pigtails, wearing an orange dress and blue shoes, holding a small doll. The child on the right is a boy with blonde hair, wearing a white shirt and blue shoes. They are both buckled into blue car seats. The background is a light green car interior.

**MAKE SURE
THEY'RE SAFE**

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theme



Equity

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program

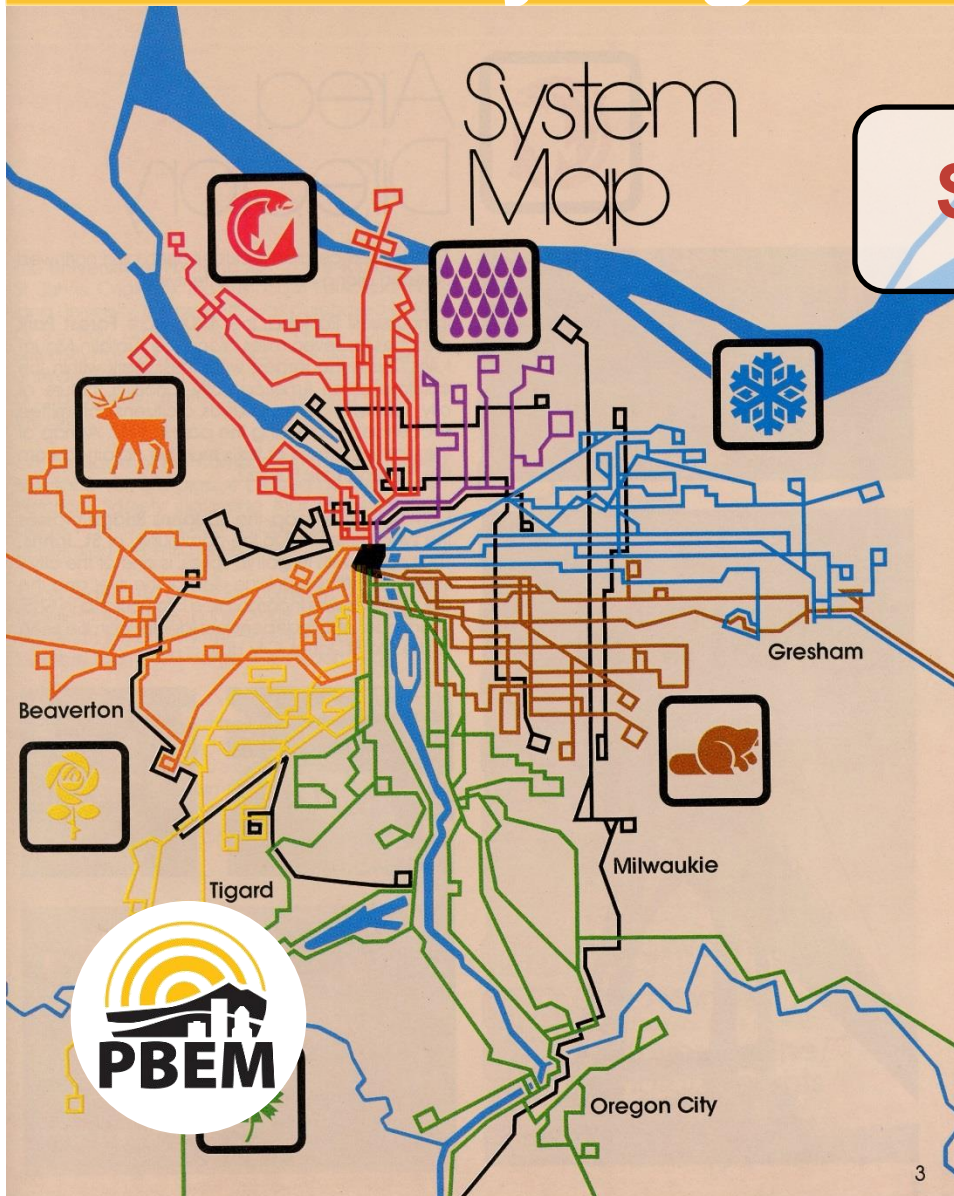


+ Natural hazard
mitigation through
equity lens

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theme

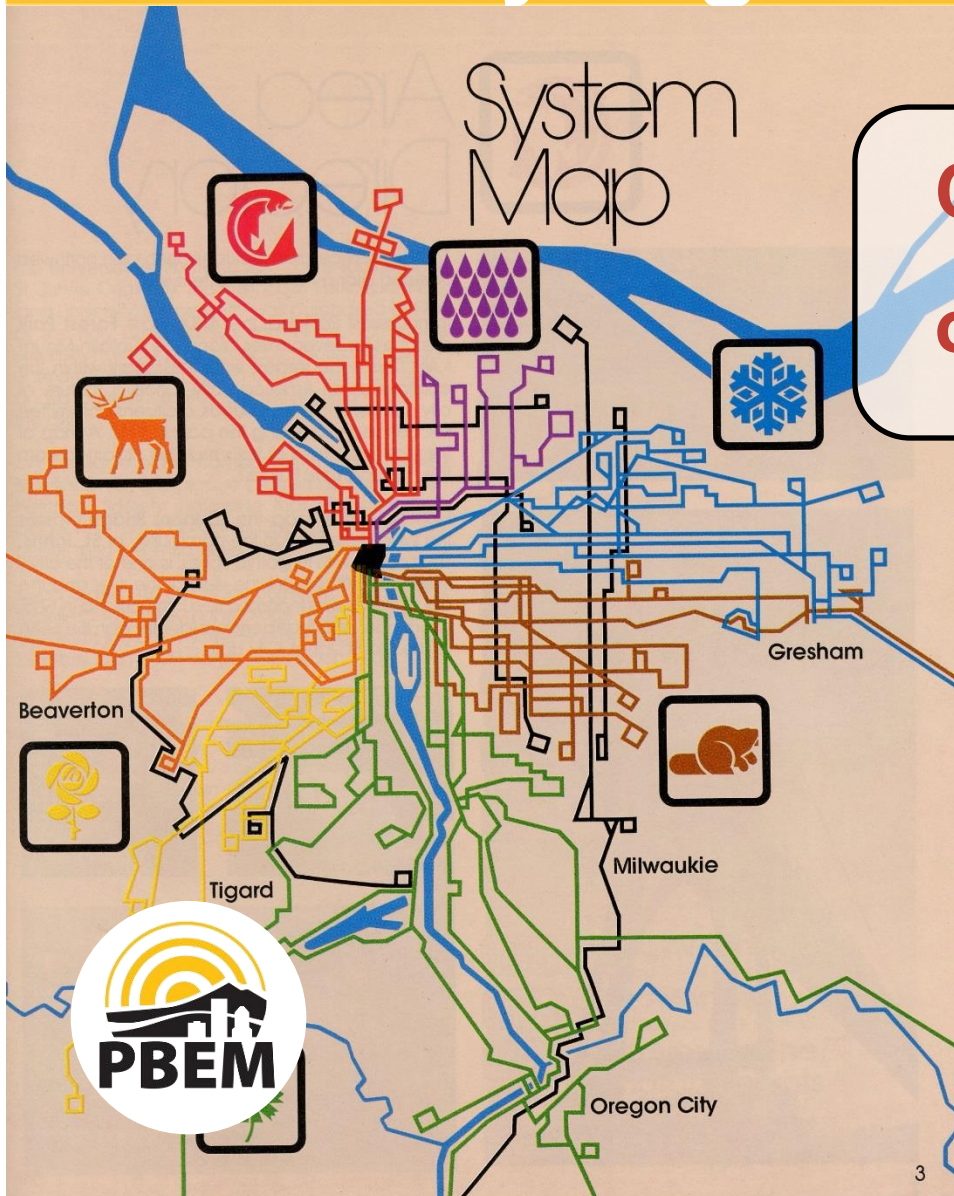
Service systems



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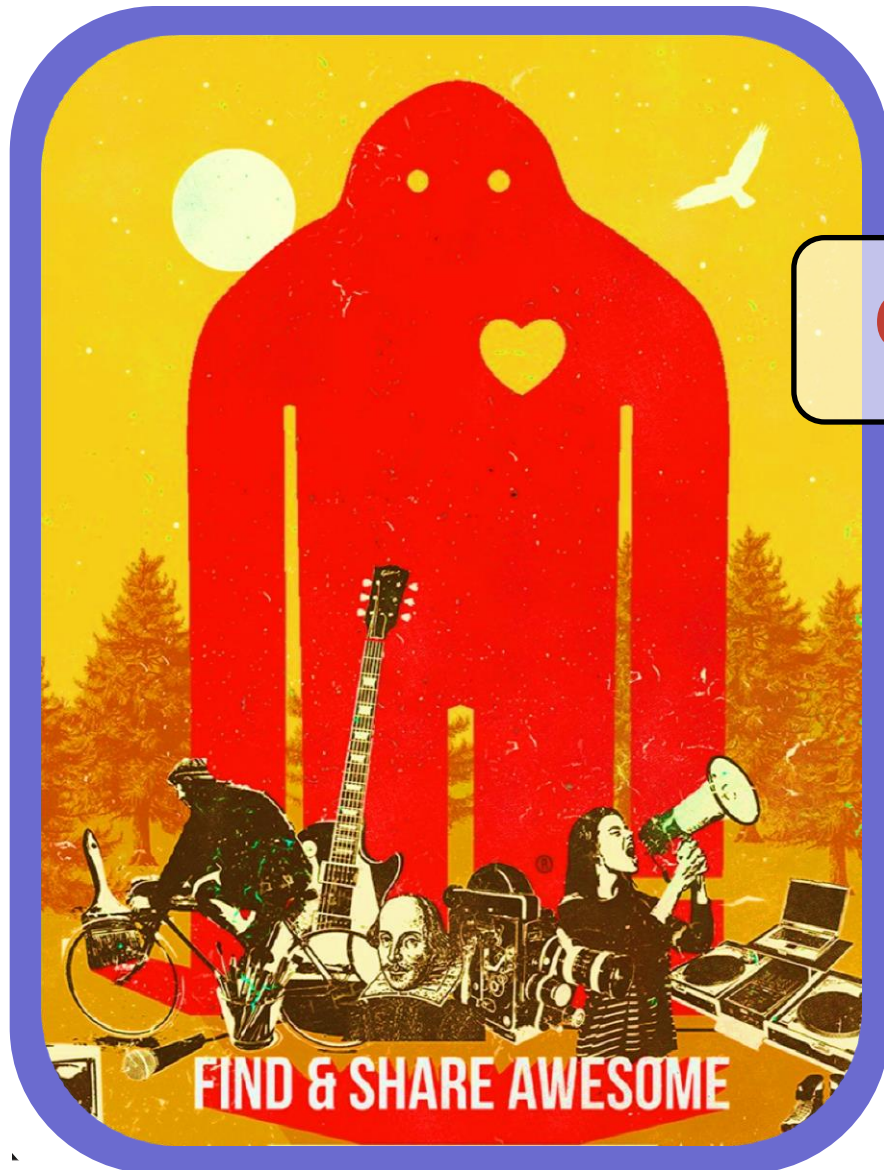
**Continuity of
operations planning**



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theme

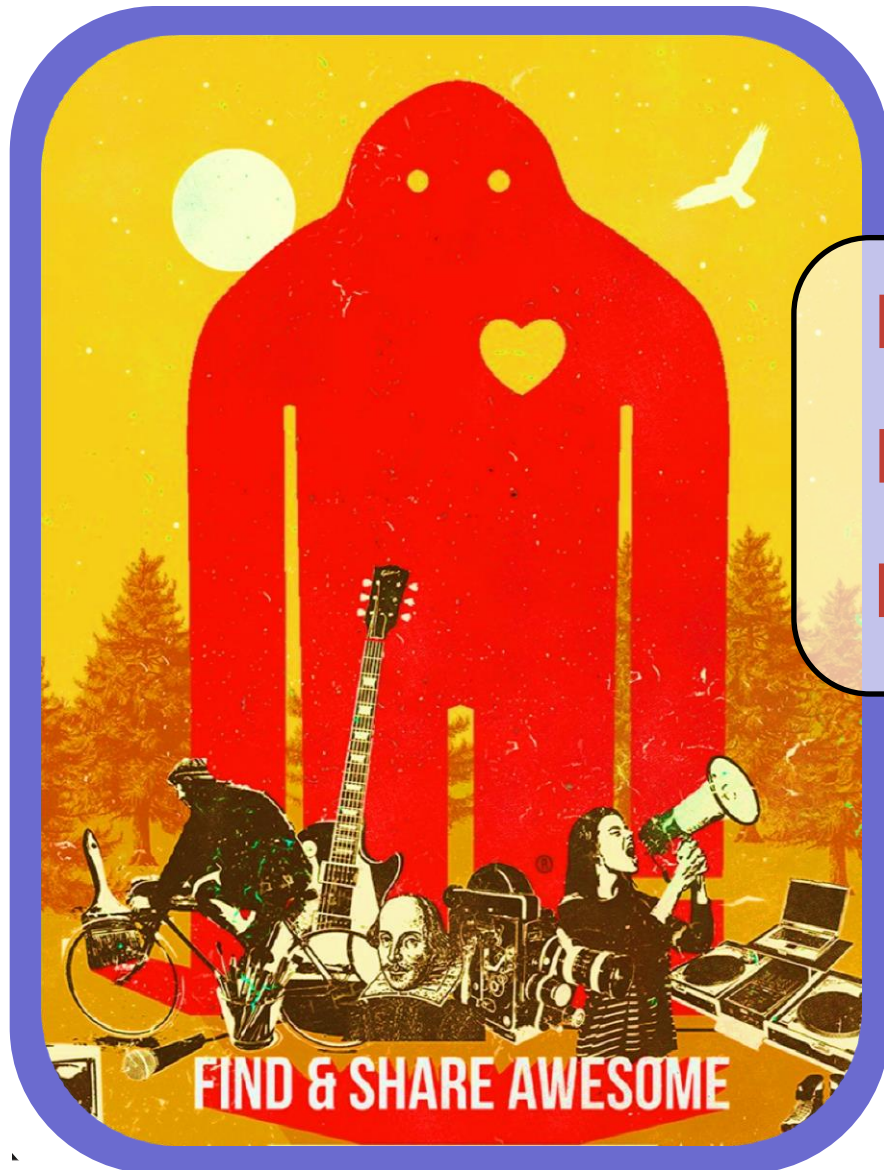
Community networks



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**Basic Earthquake
Emergency Communication
Nodes (BEECNs)**



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thank you

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